

# PROGRAM MANAGER INFANTRY COMBAT EQUIPMENT

*Program Manager Infantry Combat Equipment (PM ICE) is a dedicated and proactive team, which ensures all Marines are equipped with the best available material solutions to meet validated requirements, by developing, fielding, and sustaining infantry combat equipment to enhance the performance, capability, survivability, and mobility of Marines.*



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## ORGANIZATIONAL CLOTHING AND EQUIPMENT WEAR GUIDE COLD WEATHER CLOTHING

2019



**MARINE CORPS SYSTEMS COMMAND**  
Equipping our MARINES





## ACCESSORIES OTHER

### Enhanced Combat Helmet (ECH) Arctic Cover

TAMCN- C0154F



**Features:** The Enhanced Combat Helmet (ECH) arctic cover is designed to fit over the ECH to provide camouflage protection in a snow environment and reduce signature detection in visible and near infrared spectral ranges. The cover features 3/4 inch buttonholes for attachment of camouflaging enhancement aids and a cut out on the front crown to accommodate the night vision goggle (NVG) mount.

**Cold weather wear guidance:** The ECH arctic cover is designed for use with the snow camouflage parka, trousers and pack cover to provide camouflage protection.

**Maintenance and care guidance:** Machine wash on permanent press cycle or hand wash in warm water with a mild detergent. Rinse in clear warm water at least 3 times to restore water repellency. Wash separately from dark colors. DO NOT USE DETERGENTS WITH OPTICAL BRIGHTENERS OR CHLORINE BLEACH. Dry at low heat (not to exceed 90°F) or hang to dry. DO NOT STARCH.

**Sizing:** X-Small—XX-Large (6 sizes)

**Issue info:** Issued by UIF. One per Marine.



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## ACCESSORIES OTHER (CONTINUED)

### Snow Camouflage Parka, Trousers, and Pack Cover (Snow Over Whites)

ankle and extending approximately halfway up the length of the outseam. The redesigned pack cover, (Type II), has a strap with a buckle in addition to the drawcord for securing the cover to the pack. It is larger than the previous version (Type I), and includes a storage pocket to contain the pack cover when it is not in use.

**Cold weather wear guidance:** The snow camouflage parka and trousers are not insulating layers and are not substitutes for outer garments. The parka and trousers should be worn with insulating and protective layers. The hood, when used, should be worn over all headgear including the helmet. Suspender hooks should be attached to suspender loops. Trousers and pack covers should be adjusted using draw cords.

**Maintenance and care guidance:** Machine wash on permanent press cycle or hand wash in warm water with a mild detergent. Rinse in clear warm water at least 3 times to restore water repellency. Wash separately from dark colors. **DO NOT USE DETERGENTS WITH OPTICAL BRIGHTENERS OR CHLORINE BLEACH.**

Dry at low heat (not to exceed 90°F) or hang to dry. **DO NOT STARCH.**

**Sizing:** Small-Regular—X-Large-Regular (6 sizes parka, 6 sizes trousers). Pack covers (2 types) Medium (Type I); X-Large (Type II).

**Issue info:** Issued by UIF. One set per Marine.



## ACCESSORIES OTHER

### Snow Camouflage Parka, Trousers, and Pack Cover (Snow Over Whites)

Parka—TAMCN-V43202F

Trousers—TAMCN-V43902F

Pack Cover—TAMCN-V44802F



**Features:** The snow camouflage parka, trousers and pack cover are over-garments designed to prevent detection in snow covered terrain. There are two variants of the snow camouflage parka, trousers and pack cover.

*Military Variant:* The snow camouflage parka features a button front closure, a drawstring adjustable hood and waist, front pass through hip pockets, and an internal pocket into which the parka can be packed. The trousers feature loops for suspenders, a drawstring waist with button front fly closure, elasticized ankle, and an internal pocket for packing. The pack cover, (Type I), is designed to fit over the pack and is secured with a drawcord. It includes a storage pocket to contain the pack cover when not in use.

*Commercial Variant:* The snow camouflage parka features a zipper front closure, zippered front pass through pockets, a drawcord waist and a stowable drawcord adjustable hood. The trousers have loops for suspenders, a crotch gusset, an elastic waist with an embedded drawcord and barrel lock, zippered front hip pass through pockets, and zipper openings beginning at the



## PURPOSE

This guidebook provides wear and care guidance for cold weather clothing fielded by the Program Manager, Infantry Combat Equipment, Marine Corps Systems Command (PM ICE, MARCORSYSCOM). This guidebook supplements Marine Corps Order (MCO) P1020.34H Marine Corps Uniform Regulations. The items detailed in this guidebook are authorized for wear with Marine Corps uniforms, except for aviation equipment/gear, safety equipment, and other specialized clothing and equipment fielded by the Department of Defense (DOD) in a joint mission/command environment. Requests for exceptions to this policy should be submitted to PM ICE at [pm\\_ice@usmc.mil](mailto:pm_ice@usmc.mil).

For the purpose of this guidebook, the decision authority for the wear of organizational clothing/equipment detailed in this guidebook is the first General Officer in the unit's chain of command.

Semper Fidelis,

LtCol Andrew J. Konicki

Program Manager, Infantry Combat Equipment



## POLICY

Chapter 7, para 7000.2 of MCO P1020.34H, Marine Corps Uniform Regulations, states the following: “Special organizational clothing such as coveralls, cold weather clothing, desert clothing (with the exception of desert combat utility uniforms), aviation clothing and equipment, Nuclear Biological Chemical (NBC) defense protective clothing and physical training clothing will be worn when and as prescribed by the commander. These items are not authorized for wear with civilian attire (even if personally owned).

MARADMIN 677/16, identified galoshes as an approved uniform item that may be worn by Marines, in both field and garrison environments, as directed by unit commander for adverse conditions to include WET weather, not COLD, as the galoshes do not provide any cold weather insulation. Units can purchase galoshes via DoD EMALL and Tailored Logistics Support Program (TLSP).



## ACCESSORIES OTHER

### Enhanced Combat Helmet (ECH) Reversible Cover

TAMCN-C0153F



**Features:** The Enhanced Combat Helmet (ECH) reversible cover is designed to fit over the ECH to provide camouflage protection and reduce signature detection in visible and near infrared spectral ranges. It is available in a Reversible MARPAT™, Woodland and Desert print. The cover features 3/4 inch buttonholes for attachment of camouflaging enhancement aids and a cut out on the front crown to accommodate the night vision goggle (NVG) mount.

**Cold weather wear guidance:** The ECH reversible cover is designed for use in either a Woodland or Desert environment.

**Maintenance and care guidance:** Machine wash on permanent press cycle or hand wash with a mild detergent. Rinse completely. DO NOT BLEACH OR USE DETERGENTS WITH OPTICAL BRIGHTENERS. Tumble dry and remove immediately from dryer or drip dry on a hanger. Light iron if needed. DO NOT STARCH OR COMMERCIALY HOT PRESS.

**Sizing:** X-Small—XX-Large (6 sizes)

**Issue info:** Issued by UIF. One per Marine.



## OTHER JACKETS

### Combat Woodland Jacket (CWJ)

Certification Number—NSWMW-SFS-000987-JCC01



**Features:** The Combat Woodland Jacket (CWJ) is a lightweight, wind resistant, water repellent jacket designed to be worn as an outer garment with the MCCUU. The CWJ is a full zip jacket with a stowable neck gaiter, chest pockets, a rank tab, elbow reinforcements, and an adjustable hook and loop cuff closure system.

**Cold weather wear guidance:** Per MARADMIN 248/13, the CWJ is an optional uniform item authorized for wear as an outer garment with the Woodland MCCUU in a field environment and in garrison.

**Maintenance and care guidance:** Machine wash on permanent press setting or hand wash using a detergent. Rinse thoroughly in cold/warm water. Tumble dry at a low temperature setting/air fluff cycle or drip dry on a rust proof hanger. DO NOT STARCH, BLEACH, DRY CLEAN OR PRESS.

**Sizing:** X-Small—XX-Large-(6 sizes)

**Issue info:** Available for purchase at MC Exchange.



## MAINTENANCE AND CARE

Maintenance and care information provided herein is for informational purposes. Marines should refer to the maintenance and care label within individual garments for the most up to date instructions.

For full guidance on Operator and Field Maintenance on the serviceability standards for infantry combat equipment refer to the USMC Technical Manual TM 4451-20/1 dated March 2018 which provides information for PM ICE managed equipment that is issued, recovered, maintained, disposed of and accounted for by the Consolidated Storage Program in accordance with current directives.



## COLD WEATHER CLOTHING INSULATING LEVELS

Insulation Level	Items (s)	Flame Resistant
Level 1	Flame Resistant (FR) Lightweight Underwear Set	X
Level 2	Flame Resistant (FR) Midweight Underwear Set	X
Level 3	Wind Resistant Synthetic Fleece Jacket	
Level 4	Marine Corps Combat Utility Uniform (MCCUU) or	
	Flame Resistant Combat Ensemble (FRCE)* or	X
	Enhanced Flame Resistant Combat Ensemble (EFRCE)	X
Level 5	All-Purpose Environmental Clothing System (APECS) or	
	Lightweight Exposure Suit or	
	Inclement Weather Combat Shirt (IWCS)	X
Level 6	Extreme Cold Weather Parka, Trousers, and Booties	

\* FRCE is commonly referred to as FROG



## OTHER JACKETS Combat Desert Jacket (CDJ)

Jacket—TAMCN C01372F



**Features:** The Combat Desert Jacket (CDJ) is a lightweight, wind resistant, water repellent jacket designed to be worn as an outer garment with the MCCUU. The CDJ is a full zip jacket with a stowable neck gaiter, chest pockets, a rank tab, elbow reinforcements, and an adjustable hook and loop cuff closure system.

**Cold weather wear guidance:** The CDJ is approved for wear as an outer garment in field environment and in garrison. It may be worn with either the Woodland or Desert MCCUU.

**Maintenance and care guidance:** Machine wash on permanent press setting or hand wash using a detergent. Rinse thoroughly in cold/warm water. Tumble dry at a low temperature setting/air fluff cycle or drip dry on a rust proof hanger. **DO NOT STARCH, BLEACH, DRY CLEAN OR PRESS.**

**Sizing:** X-Small —XX-Large (6 sizes)

**Issue info:** Issued by IIF. One per Marine.



## ACCESSORIES - HEADWEAR

### Lightweight and Midweight FROG Balaclava

TAMCN-V00062F



**Features:** The light and midweight balaclavas are made from flame resistant materials. The balaclavas have a hinged face guard that allows wearer to expose face without having to remove helmet and balaclava.

**Cold weather wear guidance:** The balaclavas shall be worn when flame/flash threat are present. For cold weather wear, the two balaclavas can be layered together for added warmth. The balaclavas can be worn under the helmet.

**Maintenance and care guidance:** Machine wash in lukewarm water (105°F). Tumble dry on low temperature or line dry. DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, DRY CLEAN OR IRON.

**Sizing:** One size for each weight

**Issue info:** Issued by UIF. One lightweight and one midweight balaclava per Marine.



## COLD WEATHER ACCESSORIES

Type	Item (s)
Footwear	Temperate Weather Boot
	Extreme Cold Weather Vapor Barrier Boot (Mickey Mouse Boot)
Handwear	Intermediate Cold Weather Glove
	Extreme Cold Weather Mitten System
Headwear	Hard Face Microfleece Cap
	Light Weight FROG Balaclava
	Midweight FROG Balaclava
Other Jackets	Combat Desert Jacket (CDJ)
	Combat Woodland Jacket (CWJ)
Other	Enhanced Combat Helmet (ECH) Reversible Cover
	Snow Camouflage Parka, Trouser, and Pack Cover (Snow Over Whites)
	Enhanced Combat Helmet (ECH) Arctic Cover



## AUTHORIZATION FOR WEAR

Item	Field	Garrison
FR Lightweight Underwear Set	X	X
FR Midweight Underwear Set	X	X
Wind Resistant Synthetic Fleece Jacket	X	X
MCCUU	X	X
FRCE	X	
EFRCE	X	
APECS	X	X
Lightweight Exposure Suit	X	*
IWCS	X	*
Extreme Cold Weather Parka, Trousers & Booties	X	*
Temperate Weather Boots	X	X
Extreme Cold Weather Vapor Barrier Boot	X	*
Intermediate Cold Weather Glove	X	*
Extreme Cold Weather Mitten System	X	*
Hard Face Microfleece Cap	X	X
Light or Midweight FROG Balaclava	X	*
CDJ	X	X
CWJ	X	X
ECH Reversible Cover	X	
Snow Over Whites	X	
ECH Arctic Cover	X	

\* Authorization for wear dependent on commanders guidance.



## ACCESSORIES - HEADWEAR

### Hard Face Microfleece Cap

TAMCN-C10552F



**Features:** The cold weather hard face microfleece cap provides thermal insulation for the individual Marine in cold weather environments. It is wind resistant and water repellent.

**Cold weather wear guidance:** The hard face microfleece cap can be worn in a field or garrison environment. The cap is compatible with the helmet and the ECW parka. Note: When there is a flame/flash threat, then the FROG balaclavas should be worn instead.

**Maintenance and care guidance:** Machine or hand wash in cold water. Tumble dry low or line dry. DO NOT BLEACH OR IRON.

**Sizing:** Small/Medium and Large/X-Large (2 sizes)

**Issue info:** Issued by IIF. One cap per Marine.



## ACCESSORIES - HANDWEAR

### Extreme Cold Weather (ECW) Mitten System

TAMCN-V42902F Mitten and Liner

TAMCN-C01422F FR Glove insert



**Features:** The ECW mitten system is comprised of a mitten shell with a removable mitten liner and a flame resistant light duty glove insert. The mitten shell is nylon with a water repellent (WR) leather palm, an elasticized wristband and a long gauntlet with an adjustable cord and barrel lock. The black removable insulated liner is WR, has a no slip grip, and attaches to the inside of the shell by hook and loop tabs. The glove insert is flame resistant (FR), water repellent treated, and has grip dots covering the fingers and palm.

**Cold weather wear guidance:** The layered mitten system is for wear in extreme weather environments (deployments) to guard against cold weather threats from 0°F to -40°F.

**Maintenance and care guidance:** Machine wash on regular cycle in cold water. Drip dry. DO NOT BLEACH, DRY CLEAN OR IRON.

**Sizing:** Shell and Liner - Small—X-Large (4 sizes each)  
FR insert - Small/Medium and Large/X-Large (2 sizes)

**Issue info:** Issued by UIF. One shell, two liners, and two FR inserts per Marine.



## RECOMMENDED CLOTHING LEVELS FOR COLD WEATHER MISSIONS

Category	Temperature Range	Clothing Level Recommendation					
		1	2	3	4	5	6
Wet Cold	+39°F to +20°F	X	*	*	+	X	
Dry Cold	+19°F to -4°F	X	X			X	*
Intense Cold	-5°F to -25°F	X	X	*		X	*
Extreme Cold	Below -25°F	*	X	X		*	X

\* Clothing levels can be added and removed based on personal comfort and activity level.

+ Use of camouflage utilities, particularly the MCCUU is not recommended during heavy or extended precipitation events. Recommend using Level 1 and 5 with an insulating layer, as needed, when heavy or extended precipitation is expected.

Reference MCTP 12-10A Mountain Warfare Operations



## LEVEL 1

### Flame Resistant (FR) Lightweight (Silk-Weight) Underwear Set

Undershirt—TAMCN-C01162F

Drawers—TAMCN-C01152F



**Features:** The FR lightweight underwear set is a next-to-skin, vapor transmission layer designed to wick perspiration away from the skin. The undershirt has long sleeves and a mock turtle neck. The drawers have a front fly, elastic waist, and ankle cuffs.

**Cold weather wear guidance:** The FR lightweight underwear may be worn with the MCCUU, FROG, or as part of the Cold Weather Layering System as an undergarment while in a field environment or in garrison. The wear of both the top and the bottom together or individually are at the user's discretion. Cotton undergarments should not be worn under this set.

**Maintenance and care guidance:** Machine wash in lukewarm (105°F) water. Tumble dry low or line dry. DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, DRY CLEAN OR IRON.

**Sizing:** X-Small—XXX-Large (7 sizes each)

**Issue info:** Issued by IIF. Two sets per Marine.



## ACCESSORIES - HANDWEAR

### Intermediate Cold Weather Glove (ICWG)

TAMCN-V00252F



**Features:** The ICWG provides protection in cold wet weather. It is made with three layers; an insulation layer, a waterproof breathable insert, and an outer shell of a durable, water resistant/vapor permeable material (nylon, leather). The outer shell is constructed in a gauntlet design that fits over the sleeve of the ECW Parka and has a wrist closure design to prevent the entry of cold air or snow.

**Cold weather wear guidance:** The ICWG is designed to be worn in cold weather environments to protect the user from snow, wind, and ice with a threshold temperature range from 40°F to 0°F.

**Maintenance and care guidance:** Machine wash on regular cycle in cold water. Drip dry. DO NOT BLEACH, DRYCLEAN OR IRON.

**Sizing:** Small—XX-Large (5 sizes)

**Issue info:** Issued by UIF. One pair per Marine.



## ACCESSORIES - FOOTWEAR

### Extreme Cold Weather Vapor Barrier Boots (Mickey Mouse Boots)

TAMCN-V41602F



**Features:** The vapor barrier boots are rubber boots with a non-removable insulation liner. The boots have a valve to equalize pressure during air transport, but the valve should be kept closed during normal wear to keep moisture from entering the boot. The boots are compatible with skis and NATO 120 binding.

**Cold weather wear guidance:** The vapor barrier boots are designed to provide protection in sub-zero conditions and when arctic temperatures of  $-20^{\circ}\text{F}$  or below may occur. During cold weather wear, users should remove boots when possible to air dry feet and change socks as necessary.

**Maintenance and care guidance:** Use mild soap and warm water to clean. Sprinkle lightly with general purpose scouring powder or mild soap and wash with warm water or wet soap-impregnated steel pad and rub lightly. Rinse with water. Wash the inside of boots with soapy water once a month. Boots should be inspected after each use for holes, cuts, and punctures. Damaged boots should be turned in for repair or new boots. **DO NOT PAINT OR USE SHOE POLISH.**

**Sizing:** 3—14 Narrow, Regular and Wide (39 sizes)

**Issue info:** Issued by UIF. One pair per Marine.



## LEVEL 2

### FR Midweight (Grid Fleece) Underwear Set

Pullover Shirt—TAMCN-C01172F

Drawers—TAMCN-C00292F



**Features:** The FR midweight underwear layer is designed to provide improved moisture management and insulation in cold weather environments. It can be worn next-to-skin or worn over Level 1 as an additional insulating layer. The pullover shirt has long sleeves with thumb holes, a half-zip mock turtle neck and a kangaroo pocket. The drawers have a front fly, elastic waist, and hemmed ankle.

**Cold weather wear guidance:** The FR midweight underwear may be worn with the MCCUU, FROG, or as part of the Cold Weather Layering System as an undergarment while in a field environment or in garrison. The decisions to wear the top and the bottom together or individually and whether the underwear layer is worn next to skin or over Level 1 are at the user's discretion. Cotton undergarments should not be worn under this set.

**Maintenance and care guidance:** Machine wash in lukewarm ( $105^{\circ}\text{F}$ ) water. Tumble dry low temperature or line dry. **DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, DRYCLEAN OR IRON.**

**Sizing:** X-Small Regular—X-Large Long (8 sizes each)

**Issue info:** Issued by IIF. Two sets per Marine.



### LEVEL 3

#### Wind Resistant Synthetic Fleece Jacket (WindPro Fleece Jacket)

TAMCN-V41262F



**Features:** The WindPro fleece jacket is an insulation layer that provides improved wind resistance and breathability when worn in intermediate to cold weather environments. The jacket is a full zip mock turtle neck with stretch fleece side/underarm panels for increased mobility and breathability. The sleeves have an adjustable hook and loop cuff closure.

**Cold weather wear guidance:** The fleece should be worn under the MCCUU or CDJ/CWJ. It can also be worn over the MCCUU as a liner to the APECS parka. The WindPro fleece jacket is not approved for wear as an outer-garment as it does not include a rank tab.

**Maintenance and care guidance:** Wash warm. Tumble dry low. DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, IRON, OR DRY CLEAN.

**Sizing:** X-Small—X-Large-Long (8 sizes)

**Issue info:** Issued by IIF. One per Marine. This item is not presently sustained.



#### ACCESSORIES - FOOTWEAR Marine Corps Combat Boot (MCCB) Temperate Weather (TW)

TAMCN- C01352F



**Features:** The MCCB TW innovative design provides enhanced comfort and protection through improved shock attenuation and traction, and infrared and visible light signature reduction. The MCCB TW is equipped with an improved outsole tread pattern, a dual-density cushioned midsole, and a fungicide-treated leather upper with reduced signature in the visible and infrared wavelengths. The boot is lined with a Gore-tex membrane that water proofs the boot.

**Cold weather wear guidance:** The MCCB TW is designed to provide protection down to 26° F when worn with merino wool socks.

**Maintenance and care guidance:** Brush mud and excessive dust off boots with a stiff nylon bristle brush and warm water. Boots have a suede finish and are not to be polished. Wipe inside of boots occasionally with a moist rag and let dry. As frequently as possible, dry boots and insert in the sun. Do not place near intense heat. Do not use soap to clean your boots. Only water soluble cleaning products should be used as oil- or alcohol- based cleaning products may damage your boots.

**Sizing:** 3.5N—16XW (108 sizes)

**Issue info:** Seabag. One pair per Marine.



## LEVEL 6

### Extreme Cold Weather Parka, Trousers, and Booties (Happy Suit)

Parka—TAMCN-V00152F

Trousers—TAMCN-V00162F

Booties—TAMCN-V00142F



**Features:** The Extreme Cold Weather (ECW) system serves as an insulating protective layer. The ECW parka features elastic and hook and loop wrist cuff closures, elbow reinforcements, and a stowable hood. The trousers feature suspender loops, elastic waist, and waist-to-cuff leg zippers to aid in donning and doffing. The booties feature a reinforced sole.

**Cold weather wear guidance:** The ECW system is an over garment and best for bivouac, routine and sentry activities. The system is also designed to be worn in a sleeping bag.

**Maintenance and care guidance:** Machine wash on delicate/gentle cycle or hand wash. Use cold water (up to 90°F /32°C) and cold water laundry detergent. Rinse in clean cold water. Dry in a tumble dryer at temperature not to exceed 130°F (54°C) or drip dry on a hanger. Avoid over drying. DO NOT STARCH, BLEACH, PRESS OR DRYCLEAN.

**Sizing:** X-Small-Short —XX-Large-X-Long (16 sizes parka, 16 sizes trousers); Booties Small –X-Large (4 sizes)

**Issue info:** Issued by UIF. One set per Marine.



## LEVEL 4

### Marine Corps Combat Utility Uniform (MCCUU)



**Features:** The MCCUU is made from a 50/50 nylon-cotton blend fabric. The MCCUU blouse has reinforced elbow patches and hook and loop closures at chest pockets. The MCCUU trouser has reinforced seat and knees.

**Cold weather wear guidance:** The MCCUU does not retain heat well when wet. In cold weather (below 30° F), it may be best to forgo the MCCUU and wear a combination of level 1 and level 2 with level 5 as the outer-garment. Consult with leadership for specific wear guidance based on the environment and weather conditions.

**Maintenance and care guidance:** Machine wash on permanent press cycle or hand wash with a mild detergent. Rinse completely. DO NOT BLEACH OR USE DETERGENTS WITH OPTICAL BRIGHTENERS. Tumble dry and remove immediately from dryer or drip dry on a hanger. Light iron if needed. DO NOT STARCH OR COMMERCIALY HOT PRESS.

**Sizing:** X-Small X-Short—XX-Large XX-Long (37 sizes for blouse; 35 sizes for trousers)

**Issue info:** Seabag.



## LEVEL 4

### Flame Resistant Combat Ensemble (FRCE)

Combat Shirt—TAMCN-V00052F

Trousers—TAMCN-V00072F



**Features:** The FRCE consists of a flame resistant combat shirt and trouser. The combat shirt has a half zip, mock turtle neck with upper arm pockets. The trousers have calf pocket, cargo pockets, and a reinforced seat. The FRCE is available in Desert MARPAT and will be phased out and replaced by the Enhanced FRCE (EFRCE).

**Cold weather wear guidance:** FRCE is designated for deployment issue only. In cold/wet weather environments, the FRCE can be layered with Level 1 or 2 and Level 5, IWCS.

**Maintenance and care guidance:** Machine or hand wash in warm water. Tumble dry low. Drying times will vary with the nature and size of the load. For best results do no overload in the washing machine or dryer. **DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, STARCH, DRY CLEAN OR PRESS.**

**Sizing:** X-Small Regular—X-Large Long (7 sizes for shirt; 8 sizes for trousers)

**Issue info:** Issued by UIF. Four sets per Marine.



## LEVEL 5

### Inclement Weather Combat Shirt (IWCS)

TAMCN-C01402F



**Features:** The IWCS is a flame resistant, half-zip, water resistant pullover that provides protection against inclement weather. The shirt features upper arm pockets, reinforced elbows, and elastic cuffed sleeves. The IWCS is available in both Woodland and Desert MARPAT.

**Cold weather wear guidance:** The IWCS is designated for deployment issue. It can be worn with the FRCE and EFRCE to provide protection from precipitation.

**Maintenance and care guidance:** Machine or hand wash in warm water using mild detergent. Machine wash on permanent press cycle. Rinse completely. Tumble dry on low heat. **DO NOT use detergents with optical brighteners. DO NOT overload the washer or dryer. DO NOT USE FABRIC SOFTENERS. DO NOT BLEACH, STARCH, DRY CLEAN OR HOT PRESS.**

**Sizing:** Small-Regular —X- Large-Long (7 sizes)

**Issue info:** Issued by UIF. One per Marine.



## LEVEL 5

### Lightweight Exposure Suit (LWES)

Jacket—TAMCN-V00172F

Trousers—TAMCN-V00182F



**Features:** The LWES, available in Desert MARPAT, is a lightweight, water vapor permeable protective layer for low volume rain and snow protection. The jacket has pass through breast pockets, upper arm sleeve pockets, zippered underarm vents, and a stowable hood. The trousers have pass through pockets and a knee-to-cuff zipper for donning and doffing footwear.

**Cold weather wear guidance:** The LWES should be worn as a protective layer and layered with other levels for increased insulation against cold weather.

**Maintenance and care guidance:** Machine wash on delicate/gentle cycle or hand wash using a detergent. Rinse thoroughly in warm water. Tumble dry on permanent press setting or drip dry on a rust proof hanger. Remove immediately from dryer. Do not overheat or over dry. Note: Marines should check the water repellency of the LWES. **WARNING: USE OF AFTER MARKET (DWR) PRODUCTS WILL ADVERSERLY AFFECT THIS ITEM.**

**Sizing:** X-Small-Short —XX-Large-X-Long (16 sizes each)

**Issue info:** Issued by UIF. One set per Marine.



## LEVEL 4

### Enhanced Flame Resistant Combat Ensemble (EFRCE)

Combat Shirt—TAMCN- V00222F

Trousers—TAMCN- V00212F



**Features:** The EFRCE consists of a flame resistant combat shirt and trouser. The combat shirt has a half zip, mock turtle neck, reinforced upper torso, upper arm pockets, and pen pocket. The trousers have calf pocket, cargo pockets, crotch gusset, and a reinforced seat and knee. The EFRCE is in Desert MARPAT and will replace the FRCE upon phase-out.

**Cold weather wear guidance:** EFRCE is designated for deployment issue only. In cold/wet weather environments, the EFRCE can be layered with Level 1 or 2 and Level 5, IWCS.

**Maintenance and care guidance:** Machine or hand wash. Machine wash using Permanent Press Cycle in warm water using mild detergent. **DO NOT OVERLOAD MACHINE.** Hand Wash in warm water using mild detergent. **DO NOT USE DETERGENTS WITH OPTICAL BRIGHTENERS.** Rinse completely. Tumble dry on low heat. **DO NOT USE FABRIC SOFTENERS.**

**Sizing:** X-Small-X-Short—XX-Large-XX-Long (31 sizes for shirt, 27 sizes for trousers)

**Issue info:** Issued by UIF. Two sets per Marine.



## LEVEL 5

### All-Purpose Environmental Clothing System (APECS)

Parka—TAMCN-C56522F

Trousers—TAMCN-C66322F



**Features:** The APECS, available in Woodland MARPAT, is a protective layer with a waterproof breathable membrane. The parka has covered zippers, hook and loop wrist closures, upper arm sleeve pockets, front and chest pockets, zippered underarm vents, and a stowable hood. The trousers have cargo pockets and a knee-to-cuff zipper to aid in donning and doffing footwear.

**Cold weather wear guidance:** The APECS should be worn as a protective layer and layered with other levels for increased insulation against cold weather.

**Maintenance and care guidance:** Machine wash on permanent press/normal cotton setting or hand wash using a detergent. Rinse thoroughly in warm water. NOTE: RESIDUAL DETERGENT WILL DECREASE WATER REPELLENCY.

Tumble dry on permanent press/cotton sturdy setting and remove immediately from dryer or drip dry on a rust proof hanger. DO NOT STARCH, BLEACH, PRESS OR DRYCLEAN.



## LEVEL 5

### All-Purpose Environmental Clothing System (APECS)

(continued)

**NOTE:** It is recommended Marines check water repellency of APECS parks and trouser upon receipt, before each mission and after laundering.

**Water Repellency Spray Test:** Place a few droplets of water on the material. If water repellency properties are sufficient, water should bead up into droplets and not be absorbed into the fabric. If water is absorbed into the fabric, PM ICE recommends that the item be returned to the IIF to be surveyed and replaced, if warranted.

**WARNING:** USE OF AFTER MARKET DURABLE WATER REPELLENT (DWR) PRODUCTS COULD ADVERSERLY AFFECT THIS ITEM. USERS SHOULD CONDUCT A WATER REPELLENCY TEST TO DETERMINE WATER REPELLENCY EFFECTIVENESS.

**Sizing:** X-Small-X-Short —XX-Large-X-Long (21 sizes for parka; 17 sizes for trousers)

**Issue info:** Issued by IIF. One set per Marine.